



Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

This certificate supersedes certificate number 03/20020(E3) issued on 14.06.2013 which is hereby cancelled.

This certificate is issued to:

PRODUCER	Walter Staufenberg GmbH & Co. KG Im Ehrenfeld 4 58791 Werdohl Germany	
DESCRIPTION	Pipe Clamps	
TYPE	STAUFF clamps - Standard, Heavy, Twin, Heavy Twin, Light, KS, DKS series, U- bolts, Metal Pipe Clamps, ACT Clamps and NRC Clamps	
APPLICATION	For piping systems in Marine, Offshore and Industrial Applications, for fastening and guiding of tubes, pipes, hoses and cables.	
SPECIFIED STANDARD	DIN 3015, Part 1, 2, 3 and 10	
TYPES AND SIZES	Series	Diameter Range [mm O.D.]
	STANDARD DIN 3015-1/ -10	6 to 102
	HEAVY DIN 3015 -2 / -10	6 to 450
	TWIN DIN 3015 -3 / -10	6 to 42
	HEAVY TWIN	8 to 42
	LIGHT LBBU / LB / LN	6 to 32 / 3,2 to 25,4 / 6 to 22
	KS / DKS	220 to 800
	U-Bolt Roundsteel RB+RUK/RUL, RBD	25 to 521
	U-Bolt Flatsteel FB+RUK	21 to 740
	U-Bolt +RSU	21 to 407
	Metal Pipe DIN 3567- A/B	20 to 521
	ACT Clamps (Anti Corrosion Technology)	6 to 42
	NRC Clamps (Noise- & Vibration- Reduction Clamps)	6 to 88,9

Certificate No.	03/20020(E4)
Issue Date	24 October 2018
Expiry Date	13 February 2023
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LR031.1.2016.06

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MATERIAL SPECIFICATION

Clamp bodies and inserts

Polypropylene, polyamide, thermoplastic elastomer (Santoprene), ACE (Anti-Corrosion Elastomer), aluminium

Metal parts

Carbon steel

Stainless steel 1.403 / 1.4305 (304)

Stainless steel 1.4401 / 1.4404 / 1.4571 (316)

MAXIMUM ALLOWABLE TEMPERATURE RANGE OF CLAMP BODIES AND INSERTS

Material

Temperature range [°C]

Polyamide (PA)	-40 / +120
Polyamide (PAVO)	-30 / +120*
Polyamide (PA-FF)	-30 / +120*
Polypropylene (PP)	-30 / +90
Polypropylene (PPDA)	-25 / +90*
Polypropylene (PP6853)	-25 / +90*
Polypropylene (PP-AC)	-30 / +90
Polypropylene (PP-V0)	-25 / +90*
ACT/ACE (Anti-Corrosion Elastomer)	-25 / +90*
Aluminium (AL)	-40 / +300
Santoprene (SA)	-50 / +90
Santoprene V0 (SA-V0)	-50 / +90*
EPDM (EPDM)	-50 / +120

*) flame retardant, spec. see catalogue

OTHER CONDITIONS

The clamp material for marine applications to be of flame retardant quality. For essential piping systems in Category A machinery spaces or accommodation clamp types with two or more bolts are to be used together with a steel cover plate. Single bolt types of series TWIN, Standard Light (LB) and Light (LN) are only to be used in conjunction with an U-shape steel cover plate entirely retaining the pipe from all sides.

For selection and installation the producer's instructions and recommendations to be adhered to.

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The Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply.

The Design Appraisal Document No. HMD 9857-03, Issue No. 4, dated 24 October 2018 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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